

5 Figure 2. Lexical structure tree of the phonetic symbol strings of
Pin-Yin system.

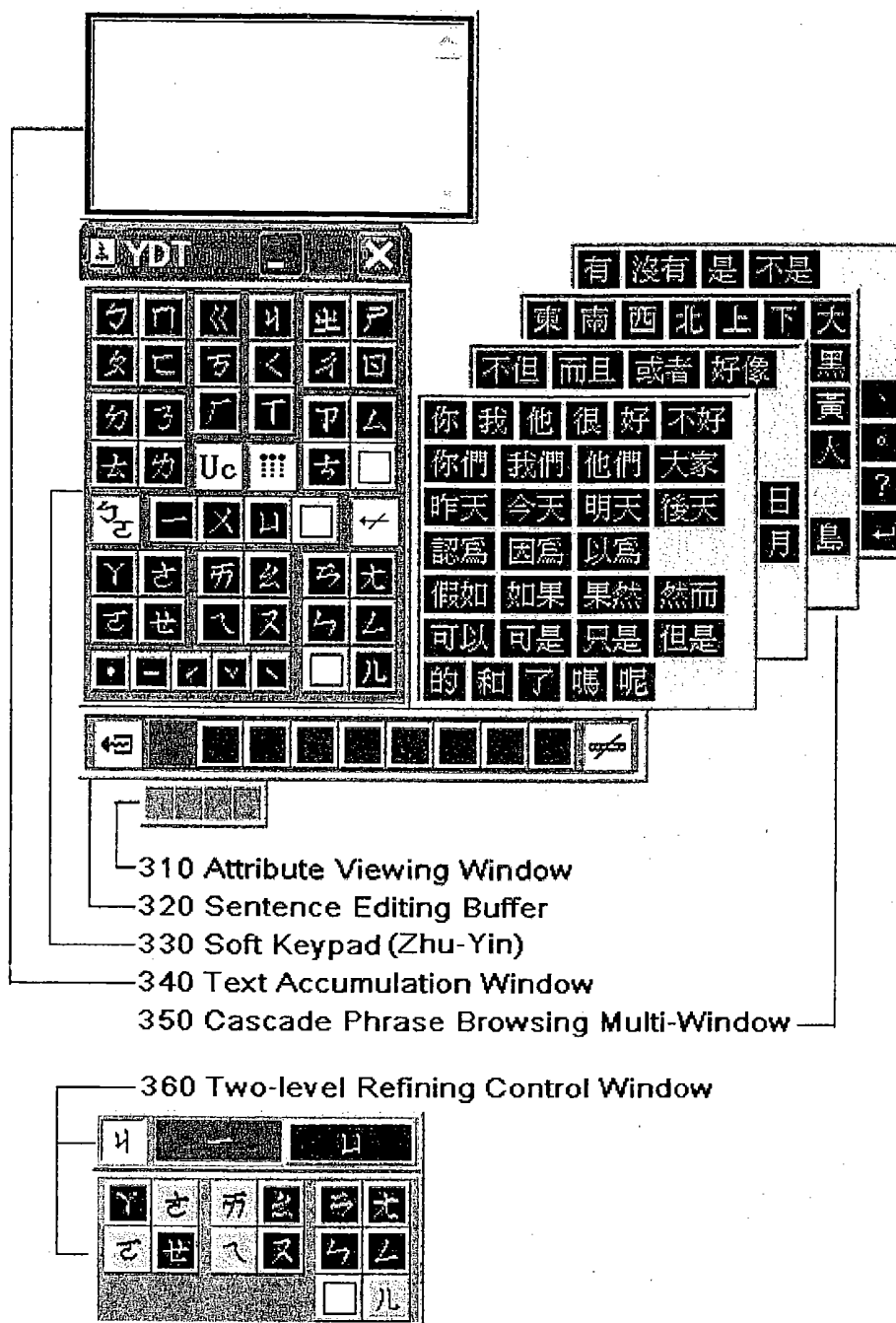
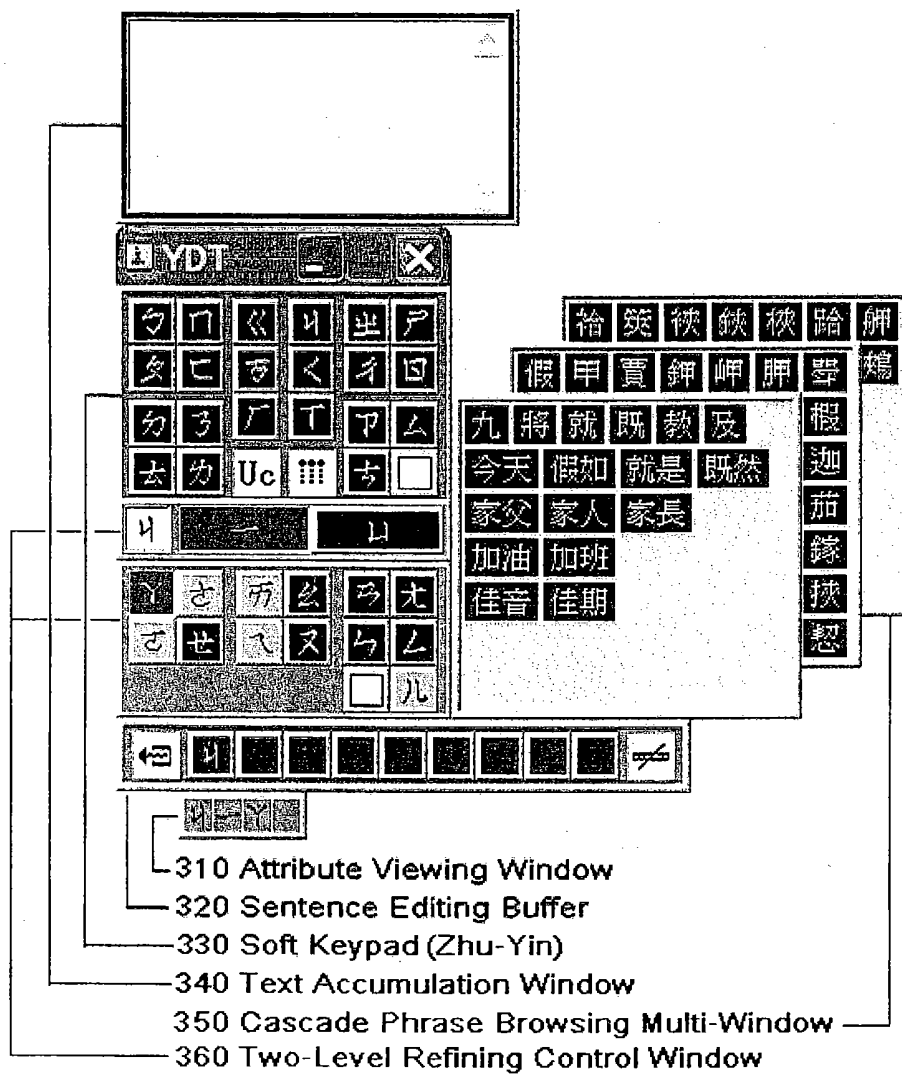


Figure 3. System components (Zhu-Yin system).



5 Figure 4. System components with window overlapping in actual use.

(Zhu-Yin system)

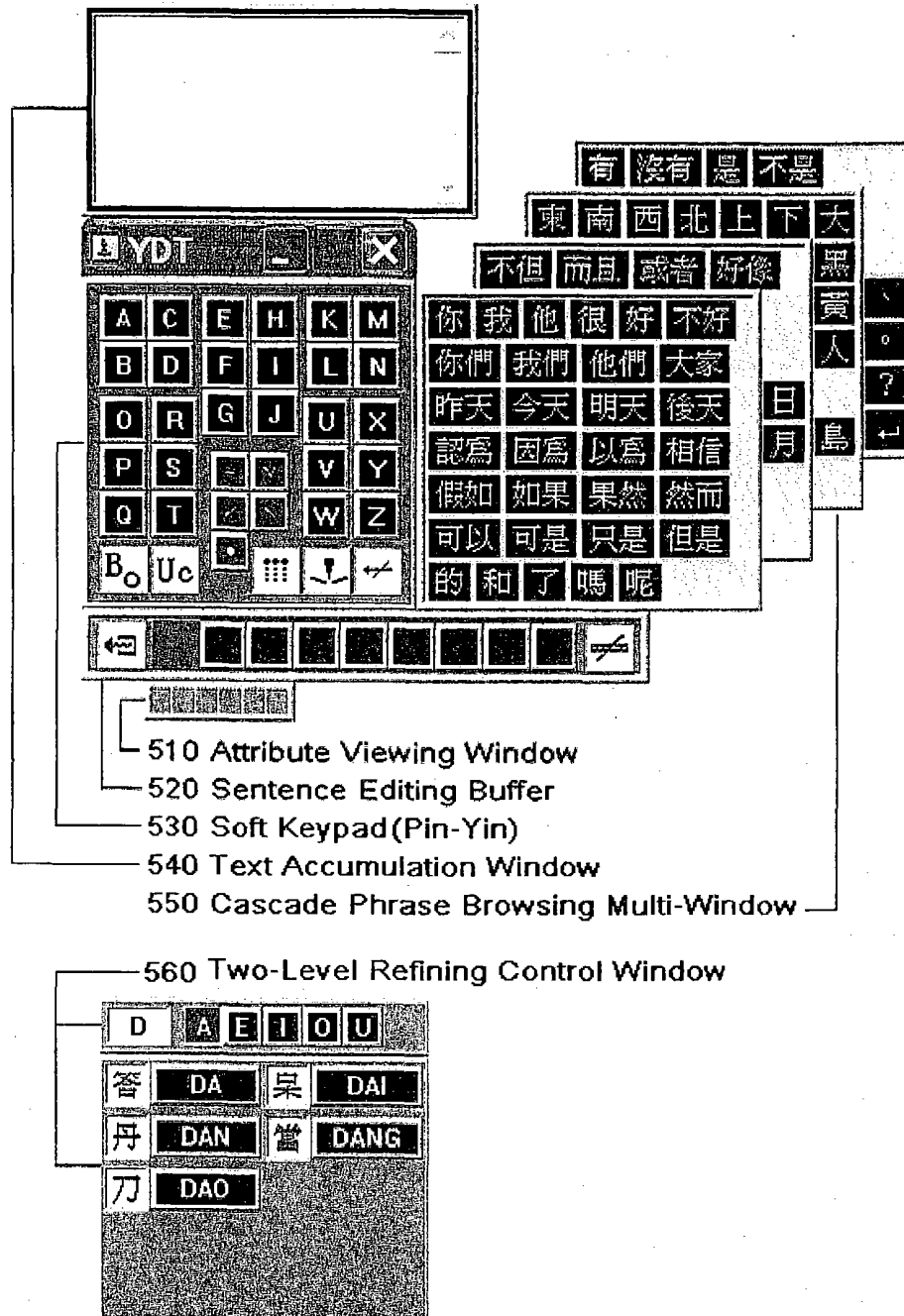


Figure 5. System components (Pin-Yin system).

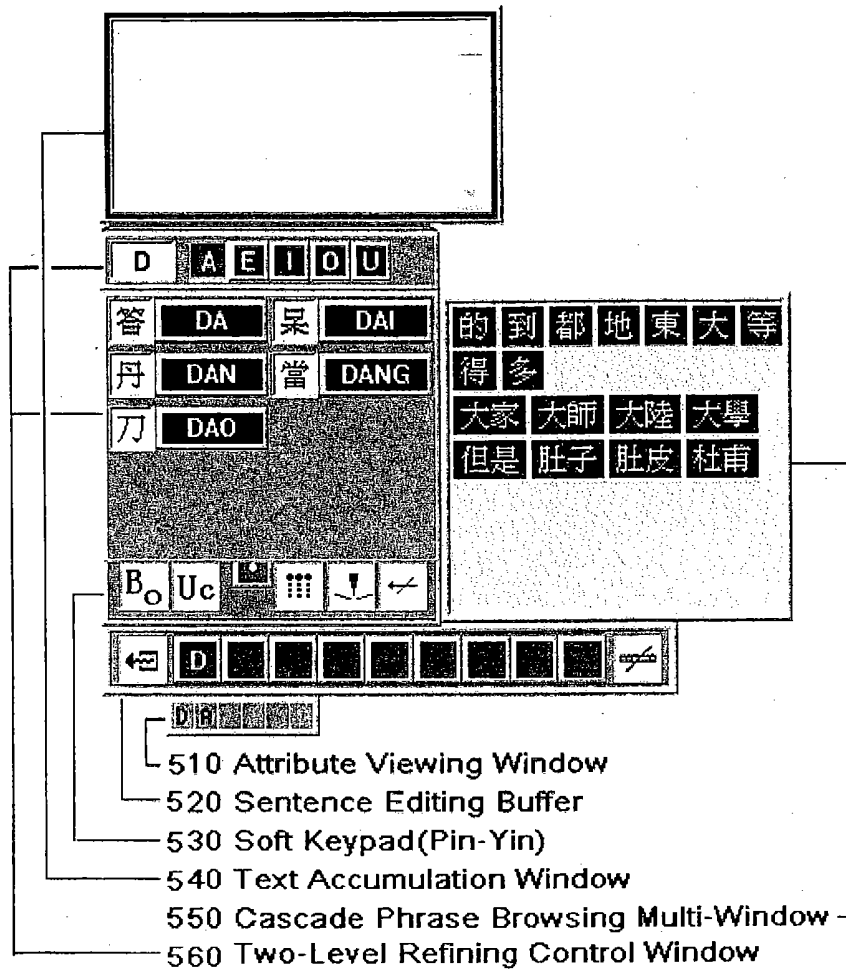


Figure 6. System components with window overlapping in actual use.

(Pin-Yin system)

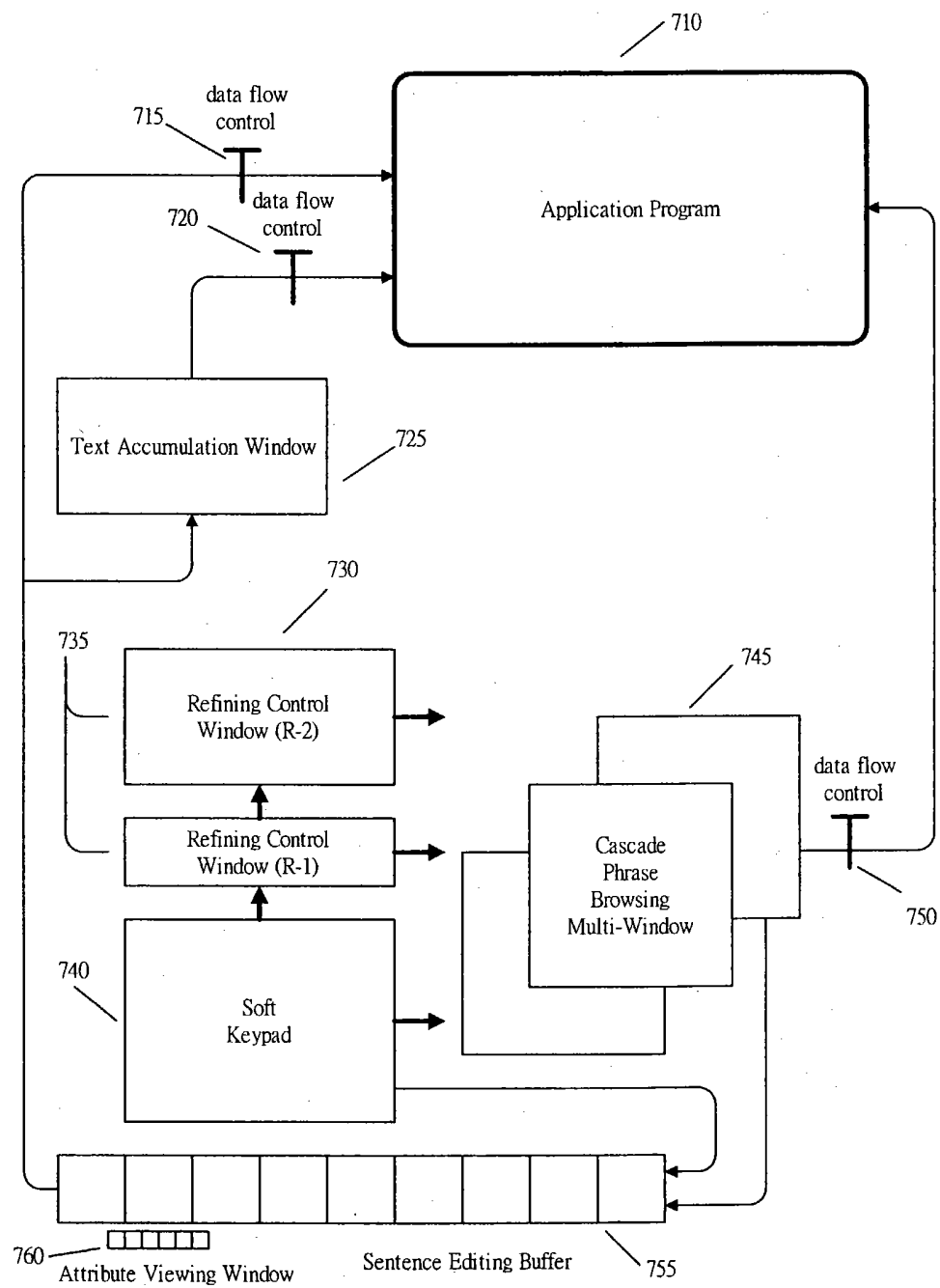
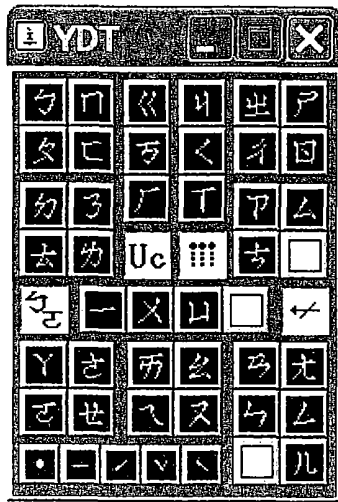
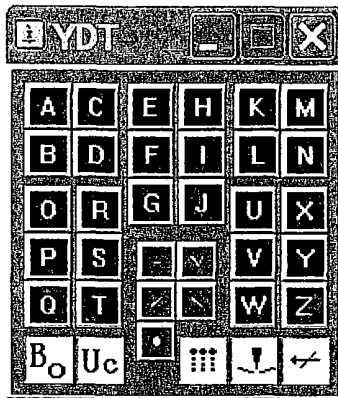


Figure 7. Control paths and data flow.



5

Figure 8. Layout of the Zhu-Yin Keypad.



10

Figure 9. Layout of the Pin-Yin Keypad.

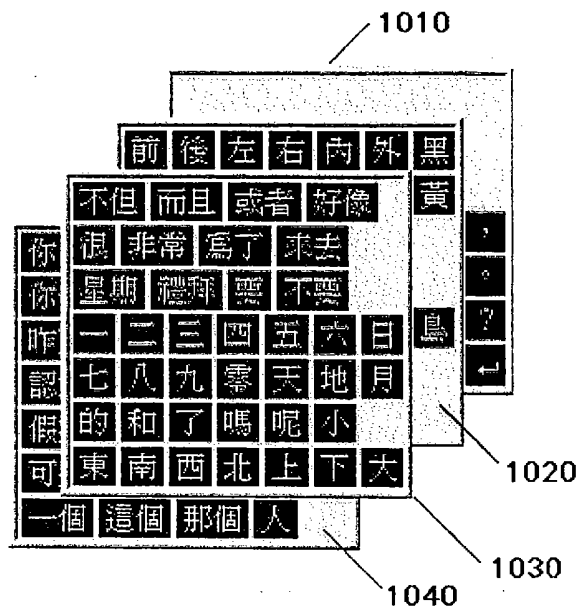


Figure 10. Cascade Phrase Browsing Multi-Window.

phrase length	1	2	3	4	5	6	7	8	9
# phrases	100	50	30	20	20	10	10	10	10

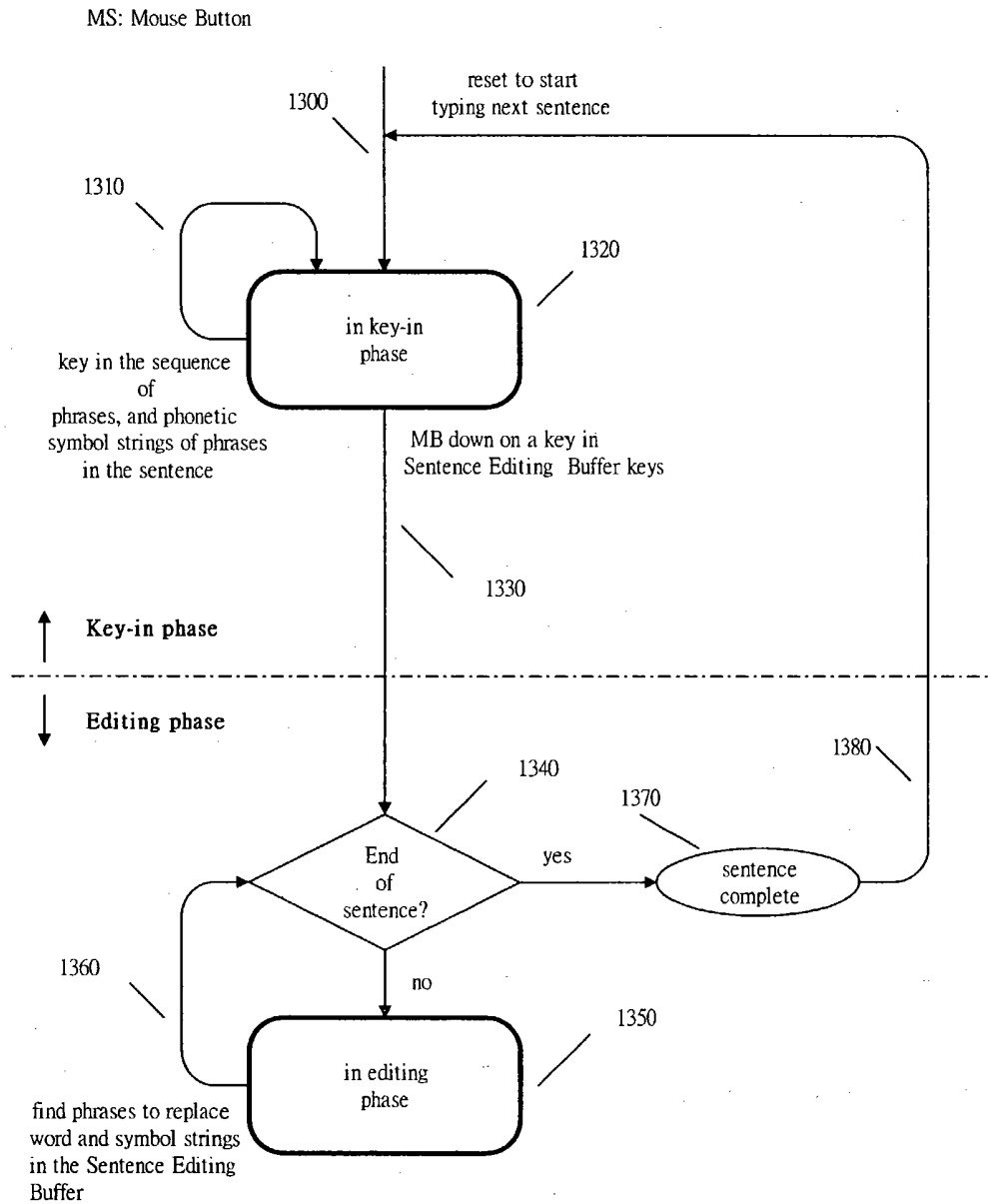
5

Figure 11. The number of phrases that can be fitted into one window page
of size equal to 10x10 words.



10

Figure 12. Sentence Editing Buffer.



5

Figure 13. Two-Phase Sentence Generation Procedure.

310 (510)



1410

5

Figure 14. Attribute Viewing Window.

340 (540)



10

Figure 15. Text Accumulation Window.

15

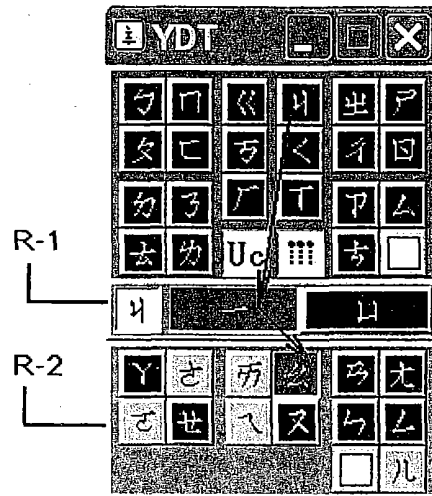


Figure 17. Press-Touch-Release (PTR) operation on the Zhu-Yin Keypad and the R-1 and R-2 window panels.

MB: Mouse Button

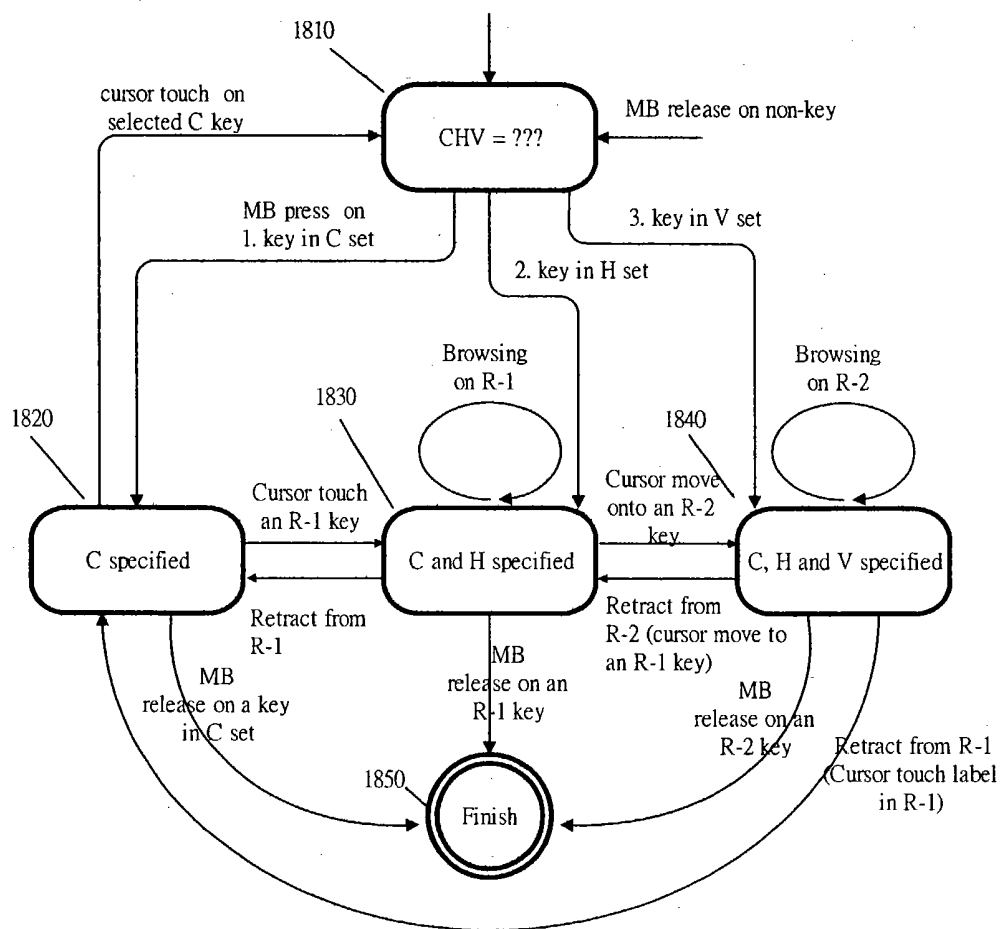
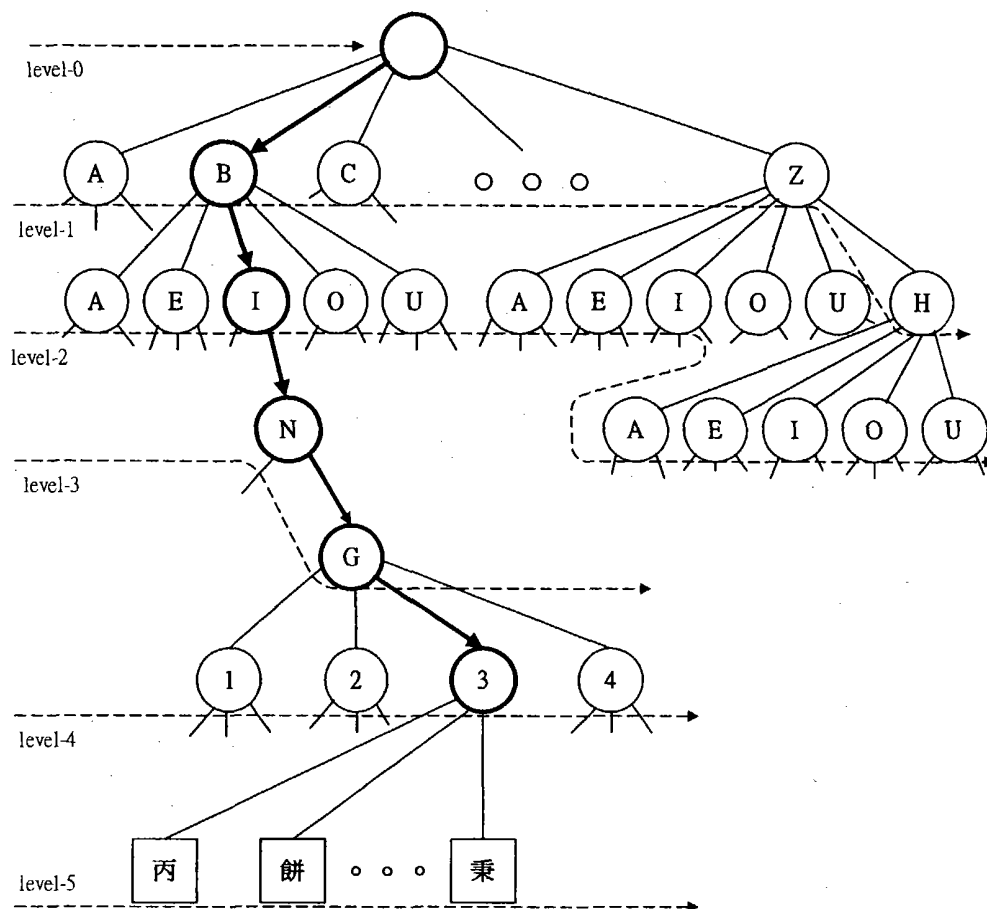


Figure 18. Flow Chart of the PTR operation on the Zhu-Yin Keypad

and the R-1 and R-2 panels.

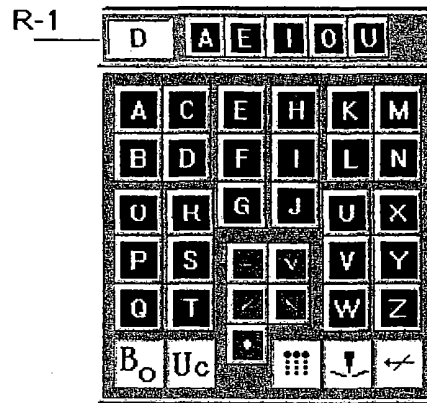


5

Figure 19. Traversing on the Lexical Structure Tree.

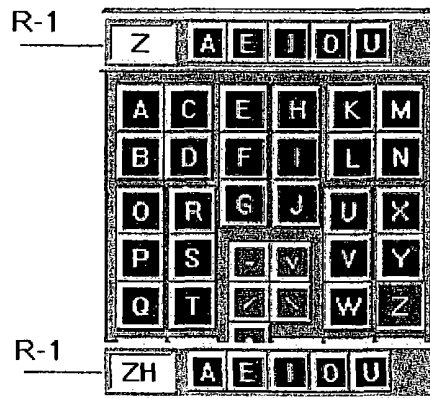
(Pin-Yin system)

10



5

Figure 20. R-1 Refining Control Panel of "D".
(Pin-Yin system)



10

Figure 21. R-1 Refining Control Panels of "Z" and "ZH".
(Pin-Yin system)

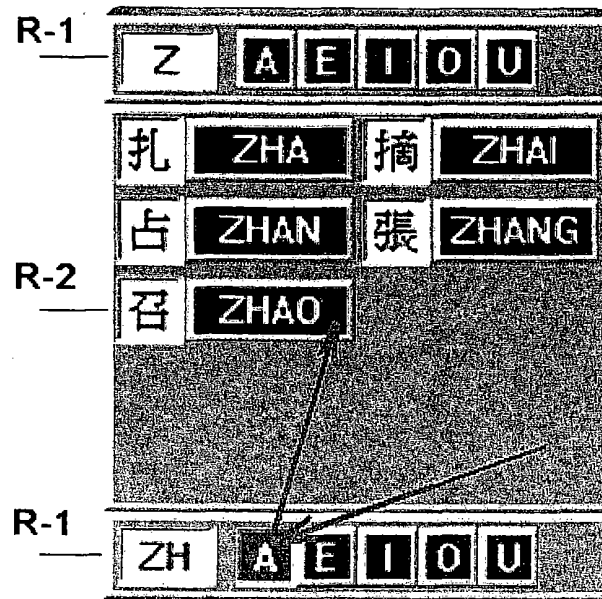


Figure 22. Press-Touch-Release operation on the Pin-Yin Keypad

5

and the R-1 and R-2 Panels.

10

15

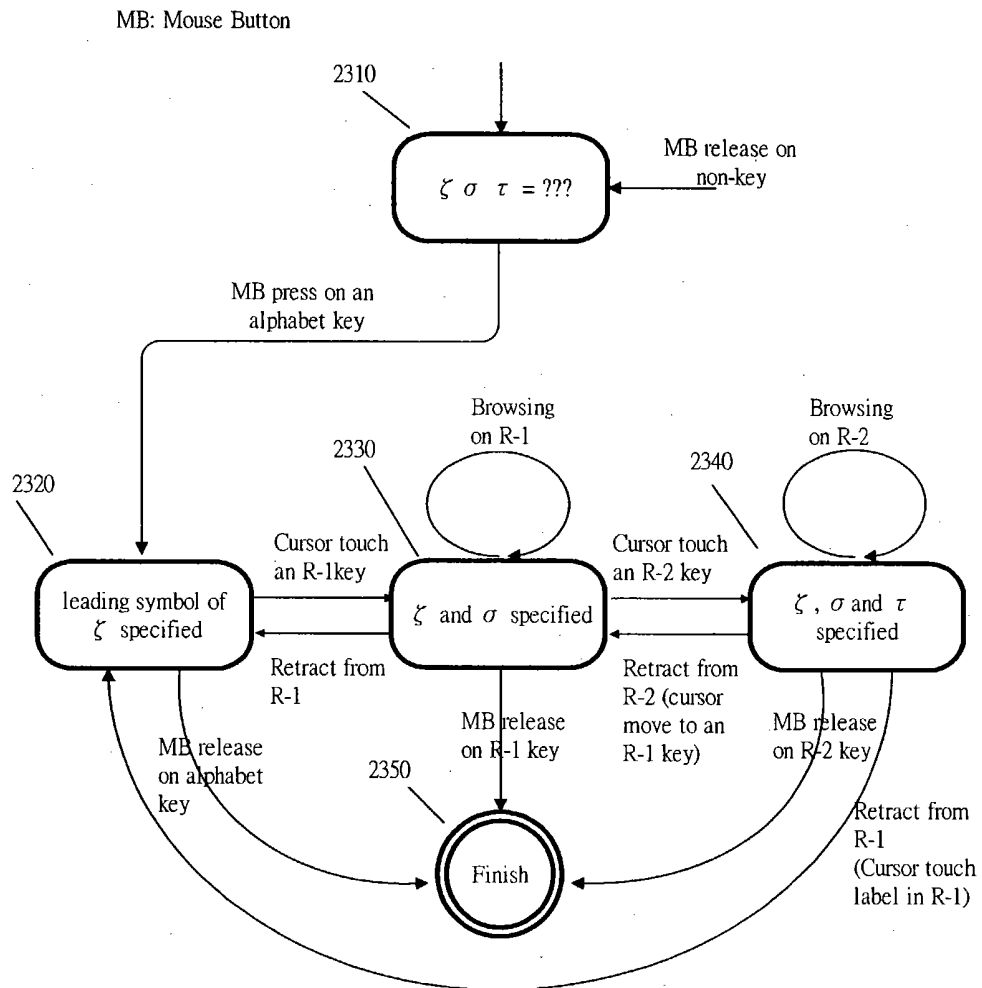


Figure 23. Flow Chart of the PTR operation on the Pin-Yin Keypad and the R-1 and R-2 panels.

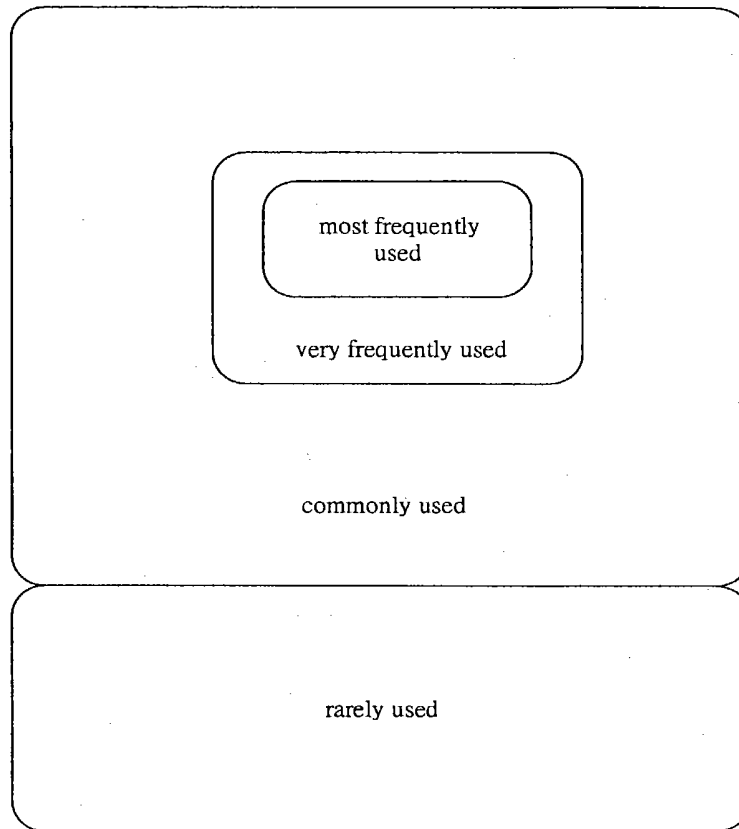


Figure 24. Multi-level frequency-based phrase classification scheme.

phrase length	1	2	3	4	5	6	7	8	9
# phrases	3700	1850	1110	740	740	370	370	370	370

5

Figure 25. The number of phrases of the very frequently used phrase set that can be presented with a 10x10 words page in Multi-Window (Zhu-Yin system).

phrase length	1	2	3	4	5	6	7	8	9
# phrases	2600	1300	780	520	520	260	260	260	260

10

Figure 26. The number of phrases of the very frequently used phrase set that can be presented with a 10x10 words page in Multi-Window (Pin-Yin system).

15

20

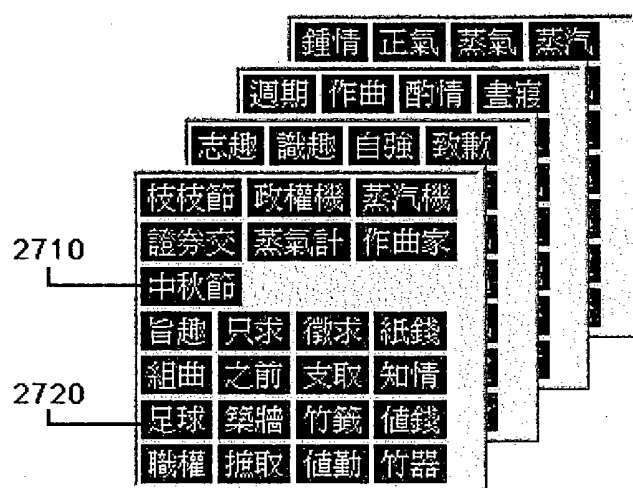


Figure 27. Varied-length phrase presentation in Multi-Window.

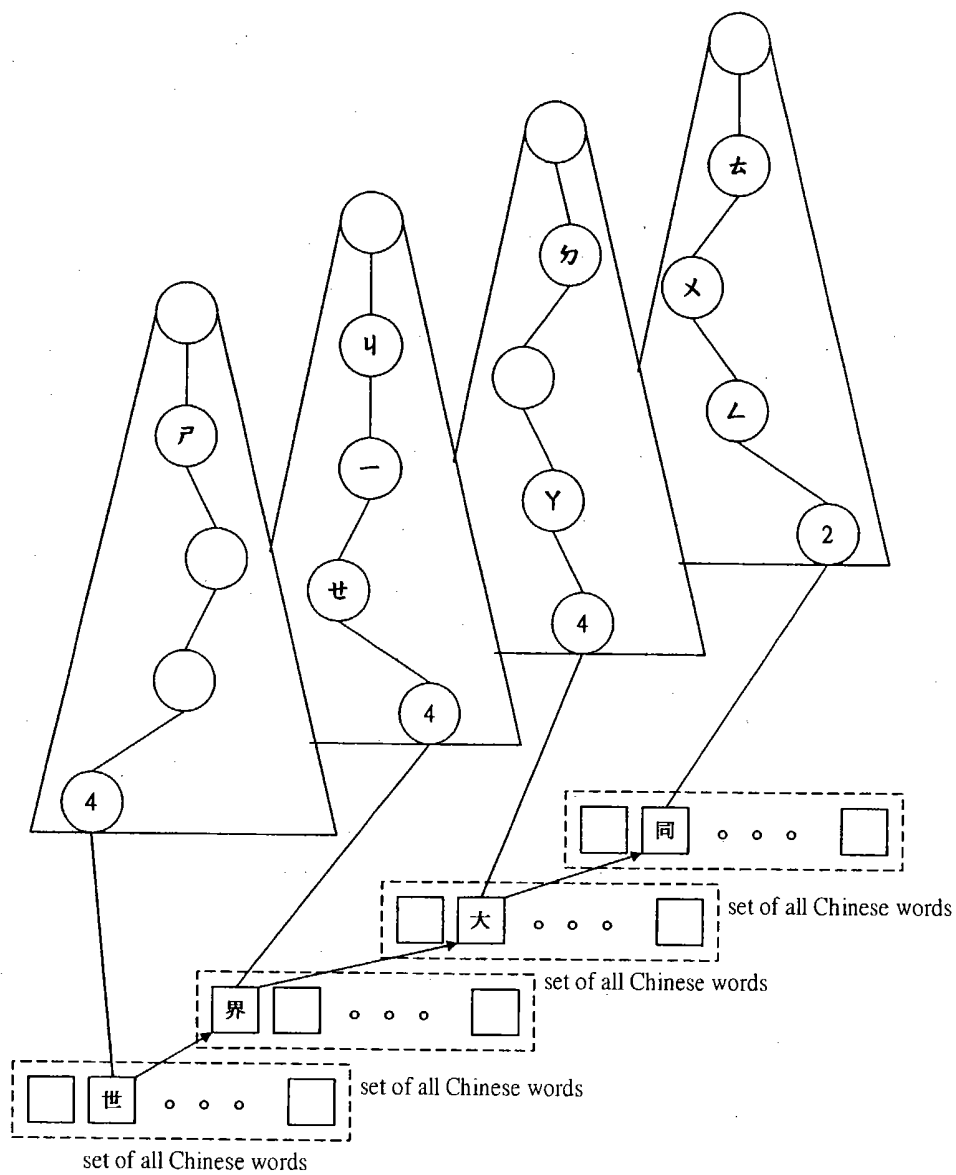


Figure 28. Relation diagram between the lexical structure trees
of the phonetic symbol strings and Chinese words.

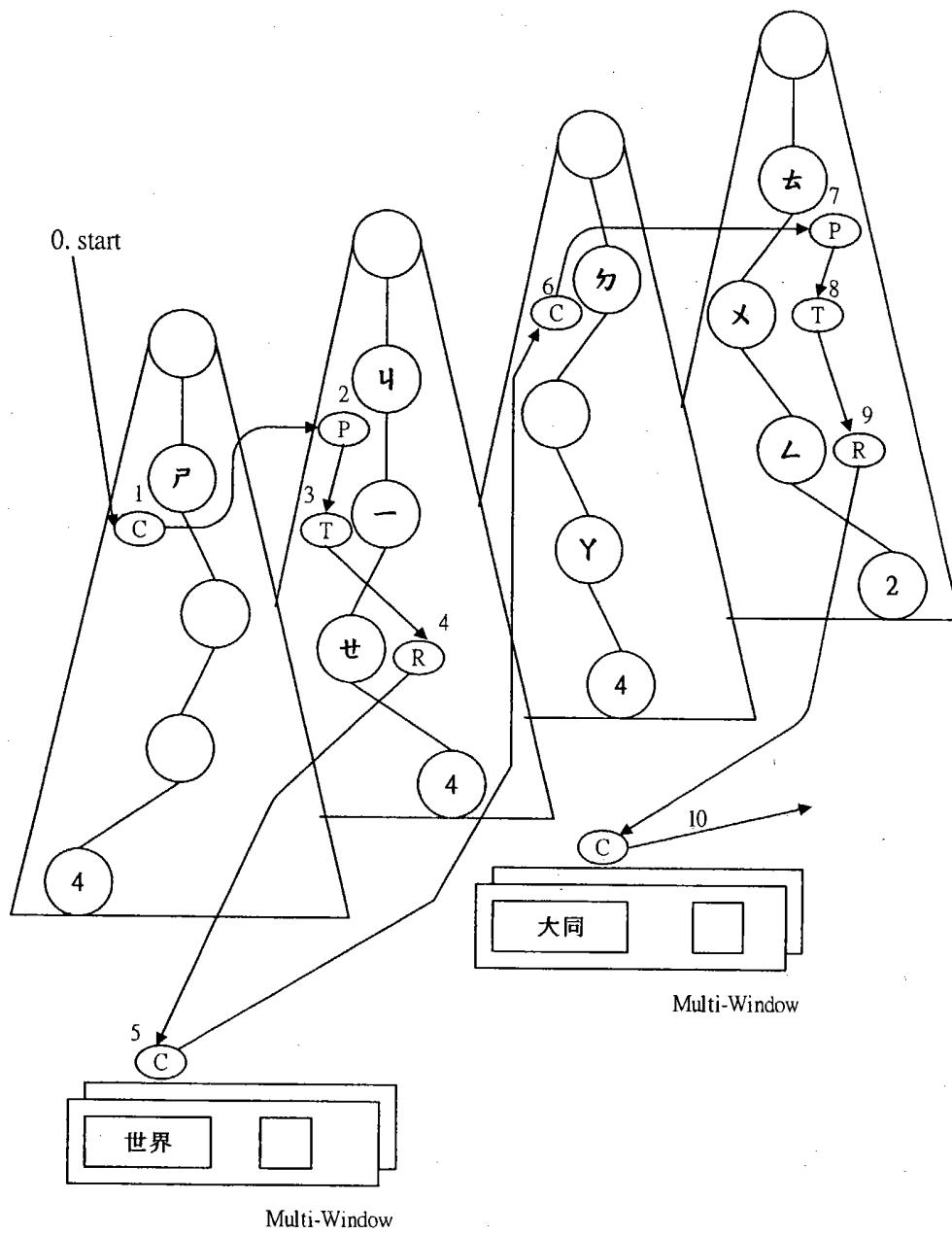


Figure 30. Phrase-by-phrase key-in process.

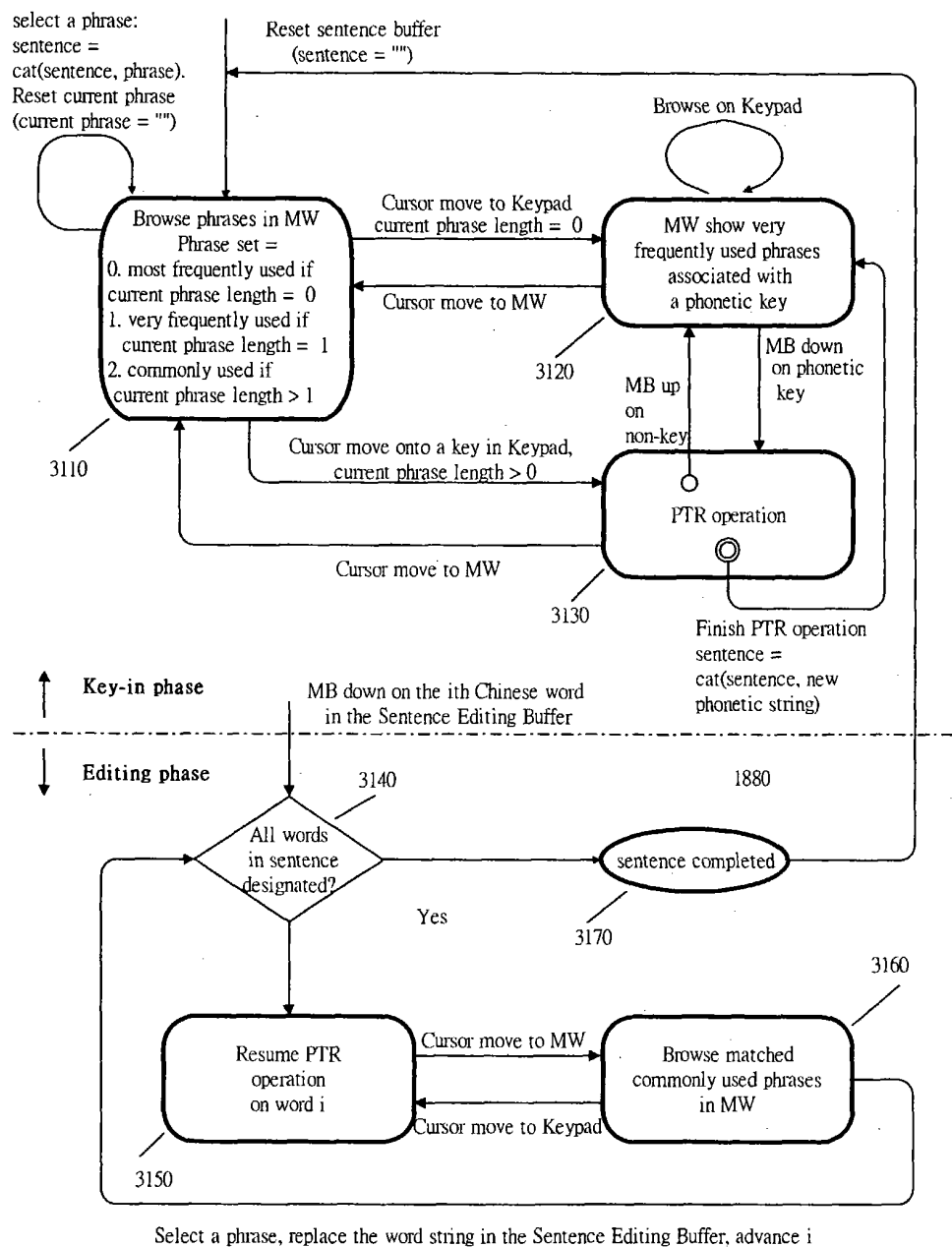


Figure 31. Flow chart of the Two-Phase Sentence Generation Procedure.

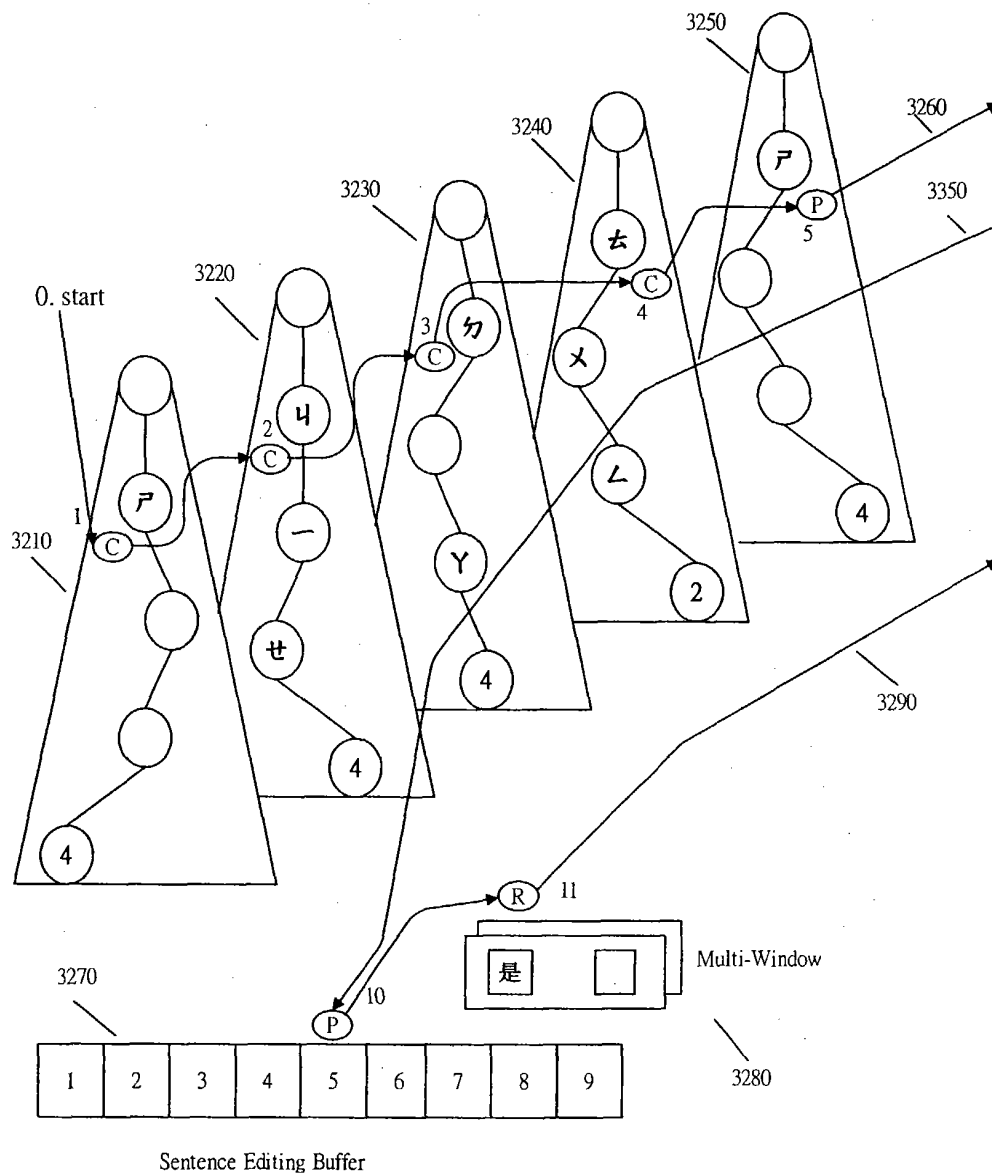


Figure 32. Example of the Two-Phase Sentence Generation Procedure
(in Rapid-Firing mode).

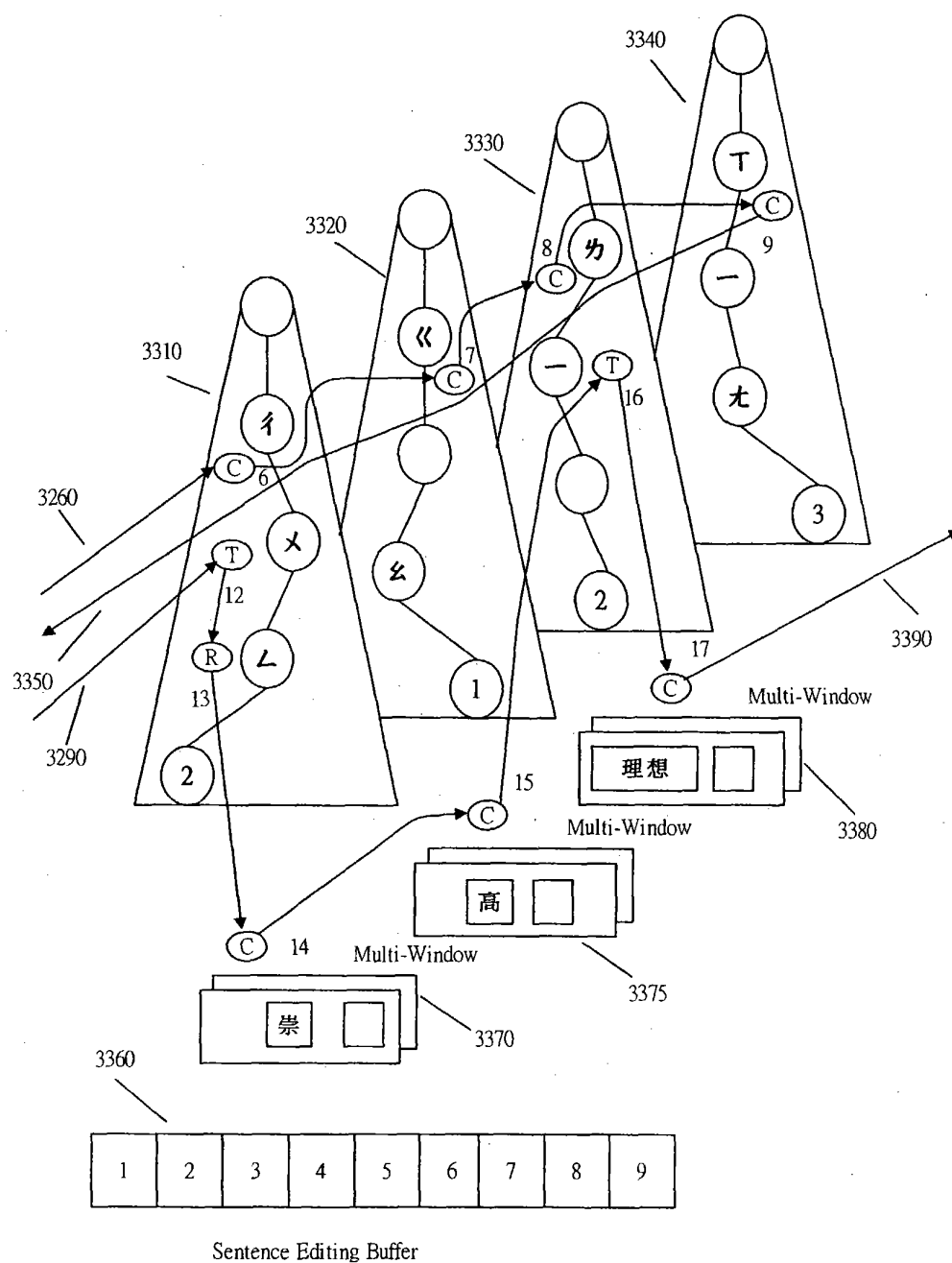


Figure 33. Example of the Two-Phase Sentence Generation Procedure.

(continued from Figure 32)